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FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
08/28/2003	Shigeki Imai	0756-7192	5558	
590 05/09/20	06	EXAM	EXAMINER	
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BANK ST.		ART UNIT	PAPER NUMBER	
ALLS, VA 20165		2871	<del></del>	
	08/28/2003	08/28/2003 Shigeki Imai 590 05/09/2006 ISON BANK ST.	08/28/2003 Shigeki Imai 0756-7192  590 05/09/2006 EXAM ISON CHIEN, I	

DATE MAILED: 05/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

			A.A
	Application No.	Applicant(s)	
	10/649,637	IMAI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Lucy P. Chien	2871	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence addi	ress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period value to reply within the set or extended period for reply will, by statute to the provision of the maximum statutory period value and reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this com D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	_,		
	action is non-final.		
3) Since this application is in condition for alloward closed in accordance with the practice under E	•		merits is
Disposition of Claims			
<ul> <li>4)  Claim(s) 1-42 is/are pending in the application.</li> <li>4a) Of the above claim(s) 8,16,24,32 and 40-42</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) is/are rejected.</li> <li>7)  Claim(s) is/are objected to.</li> <li>8)  Claim(s) 1-7,9-15,17-23,25-31,33-39 are subjected.</li> </ul>	2 is/are withdrawn from considera		
Application Papers			
9) The specification is objected to by the Examine			
10) The drawing(s) filed on is/are: a) acc			
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •	• •	. 4 404747
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex		_	
Priority under 35 U.S.C. § 119			
<ul> <li>12) Acknowledgment is made of a claim for foreign</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority document</li> <li>2. Certified copies of the priority document</li> <li>3. Copies of the certified copies of the priority document</li> </ul>	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National S	tage
* See the attached detailed Office action for a list	of the certified copies not receive	ed.	J
Attachment(s)	_		4
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date	5) Notice of Informal F 6) Other:		152)

#### **DETAILED ACTION**

#### Election/Restrictions

This application contains claims directed to the following patentably distinct species:

**Species I:** The specifics being the first optical sensor provided over the third substrate and under the second substrate. (1,33)

**Species II:** The specifics being the first optical sensor provided over the second substrate and under the first substrate.(9,17,25)

## If Species I is elected, select one of:

Species AI: The specifics being the second optical sensor provided over the third substrate and under the second substrate. (Claim 1)

Species AII: The specifics being the second optical sensor provided *over the first* substrate. (Claim 33)

## If Species II is elected, select one of:

Species BI: The specifics being the second optical sensor provided *over the third* substrate and under the second substrate. (Claim 9,17)

Species BII: The specifics being the second optical sensor provided *over the first* substrate. (Claim 25)

## If Species BI is elected, select one of:

Species BI(a):The specifics being the second optical shutter provided *over the*first substrate (Claim 9)

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Species BI(b):The specifics being the second optical shutter provided *over the* second substrate and under the first substrate (Claim 17)

## And Select one of:

**Species CI:** The specifics being the first optical sensor and second optical sensor is an *amorphous silicon photodiode, or an amorphous silicon phototransistor*.

**Species CII:** The specifics being the first optical sensor and second optical sensor is a *polysilicon photodiode*, *or a polysilicon phototransistor*.

**Species CIII:** The specifics being the first optical sensor and second optical sensor is a *single crystal silicon photodiode*, *or a single crystal silicon phototransistor*.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lucy P. Chien whose telephone number is 571-272-8579. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571)272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lucy Chien Examiner Art Unit 2871 LC

> ANDREW SCHECHTER PRIMARY EXAMINER